

FLOOR PLAN            SCALE 3/8" = 1'-0"

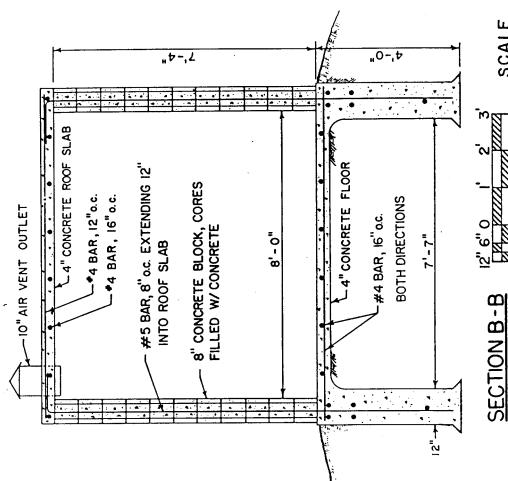


PERSPECTIVE (NOT TO SCALE)

## NOTES:

SHELTER OPENING SHOULD FACE AWAY FROM PROBABLE STORM DIRECTION  
EASTERN EXPOSURES FIT THE NEED FOR MOST OF U.S.  
CONSULT LOCAL BUILDING AUTHORITIES BEFORE STARTING CONSTRUCTION

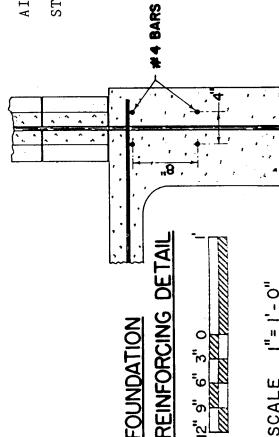
<u>DESCRIPTION</u>	<u>QUANTITY</u>
CONCRETE FOUNDATION AND FLOOR ROOF GROUT (ALL CORES FILLED) MORTAR	10.5 CU. 2 CU. YD. 6 CU. YD. 9 CU. YD.
CONCRETE BLOCK STRETCHER COVER DOUBLE CORNER	296 56 11 22
HALF CORNER REINFORCED CONCRETE RLINTEL, 4'-8" LENGTH	
REINFORCING STEEL NO. 5 (5/8-INCH DIA.) NO. 4 (1/2-INCH DIA.) JOINT REINFORCEMENT	2
AIR VENT (10-INCH DIA.)	820 FT.
STEEL DOOR AND FRAME, 3'-0" X 6'-8"	700 FT.
	500 FT.
	8 FT.
	1



GENERAL SPECIFICATIONS

CONCRETE: 3,500 PSI MINIMUM COMPRESSIVE STRENGTH

STEEL: 40,000 PSI MINIMUM YIELD STRENGTH REINFORCEMENT BARS. OVERLAP SPLICES A MINIMUM OF 12 INCHES AND USE WIRE TIES TO SECURE. DO NOT WELD.



FOUNDATION  
BEINECKE

**JOINT REINFORCEMENT:** PLACE HORIZONTAL, TRUSS-DESIGN, REINFORCEMENT AT EVERY HORIZONTAL PORTAL JOINT. OVERLAP SLICES A MINIMUM OF 6 INCHES AND USE WIRE TIES TO SECURE.

**GROUT:** USE NOT LESS THAN 6 BAGS PORTLAND CEMENT PER CUBIC YARD OF GROUT AND AGGREGATE NO LARGER THAN 1/2-INCH DIAMETER.

**OTHER USE:** ALTHOUGH STRUCTURE MAY BE SUITABLE FOR VEGETABLE OR OTHER STORAGE IT SHOULD NOT BE USED FOR THAT PURPOSE AS IT WILL REDUCE CAPACITY AND MAY BLOCK FINTY.

COOPERATIVE EXTENSION SERVICE  
AGRICULTURE AND HOME ECONOMICS  
*Agricultural Extension Service*

**University of Tennessee Institute of Agriculture  
Agricultural Engineering Department  
AND**

UNITED STATES DEPARTMENT OF AGRICULTURE CO

ABOVE-GROUND STORM SHELTER